

# APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04646

SHEET 1 OF 1

DWG NO. 647.9700

REV: A

PREPARED BY

D. MEJIA

DATE: 07/25/14

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: CUTTER SUB ASSY

APPROVED BY:

ENGR

*[Signature]*

MFG

*[Signature]*

QC

*[Signature]*

EFF.

CURRENT ORDER

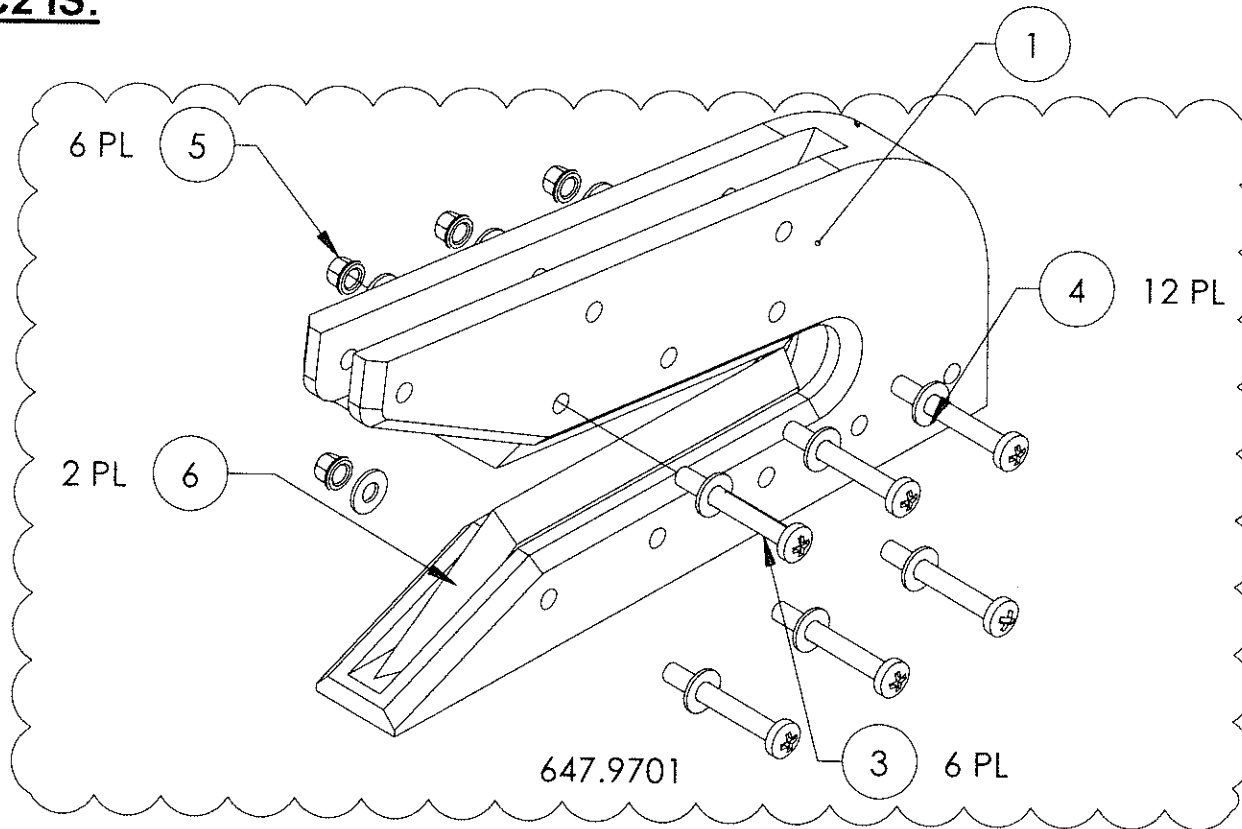
TRANSACTION CODES (TC):

A-ADD  
R-REVISE

C-CREATE  
D-DELETE

REASON: REVISED BOM.

## SHEET 1, ZONE C2 IS:



## SHEET 1, BOM IS:

5	R	601.1541	6	LOCKNUT	MS21042L08	
4	R	601.2764	12	WASHER	NAS1149FN832P	
3	R	601.2765	6	SCREW	MS27039-0819	
F/N	TC	PART NUMBER	.9701 QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				CHANGE CATEGORY	DER REVIEW REQUIRED	
<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUCTIONS <input type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM				<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

# APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

03933

SHEET 1 OF 1

DWG NO. 647.9700

REV: A

PREPARED BY

B. PETERS

DATE: 06/14/13

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: CUTTER SUB ASSYS

APPROVED BY:

ENGR

MFG

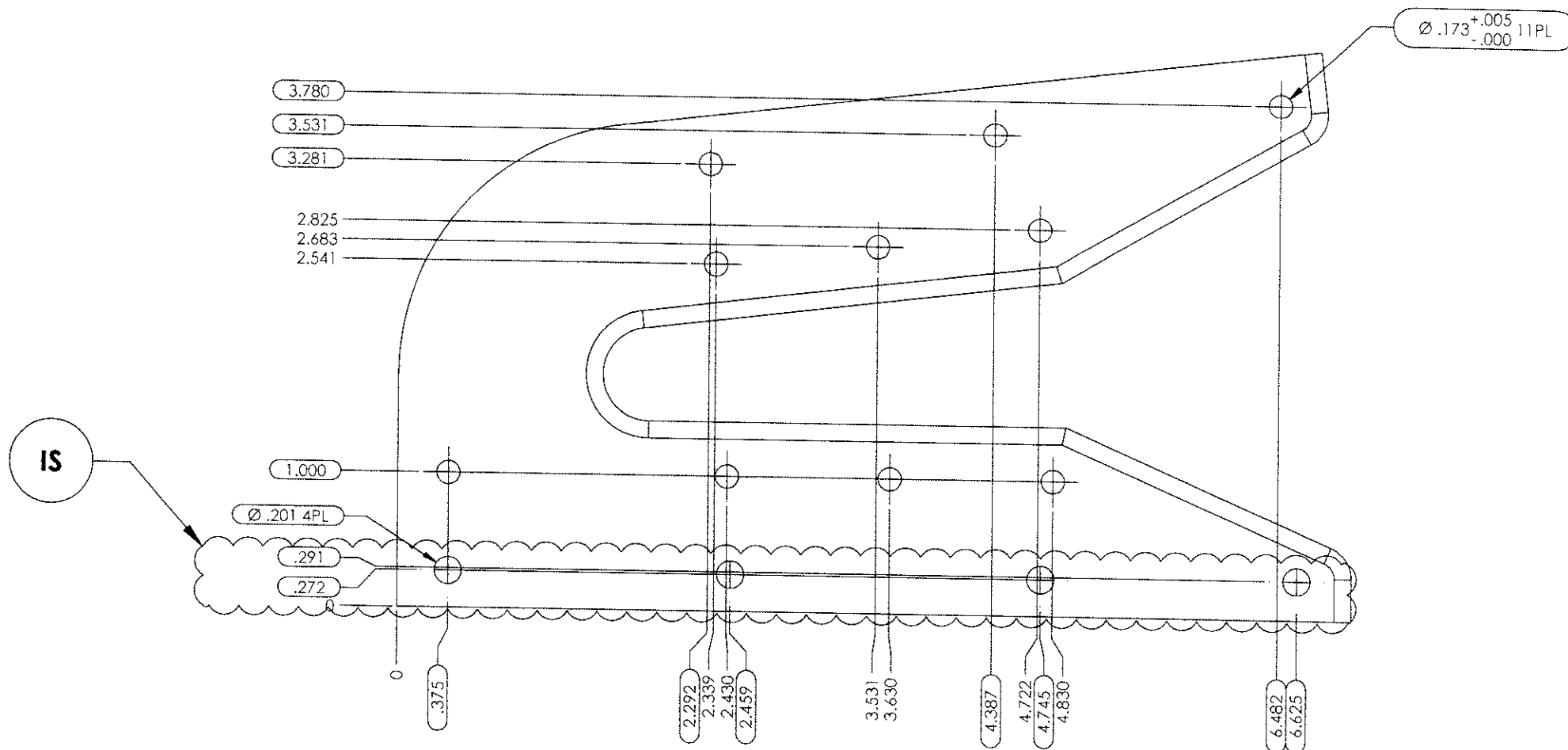
QC

EFF.

CURRENT ORDER

TRANSACTION CODES (TC):  
A-ADD  
R-REVISE  
C-CREATE  
D-DELETE

REASON: CORRECTED DIMENSIONAL ERROR.



**SHEET 7, ZONE C1 IS:**

DOCUMENTS EFFECTED:

☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

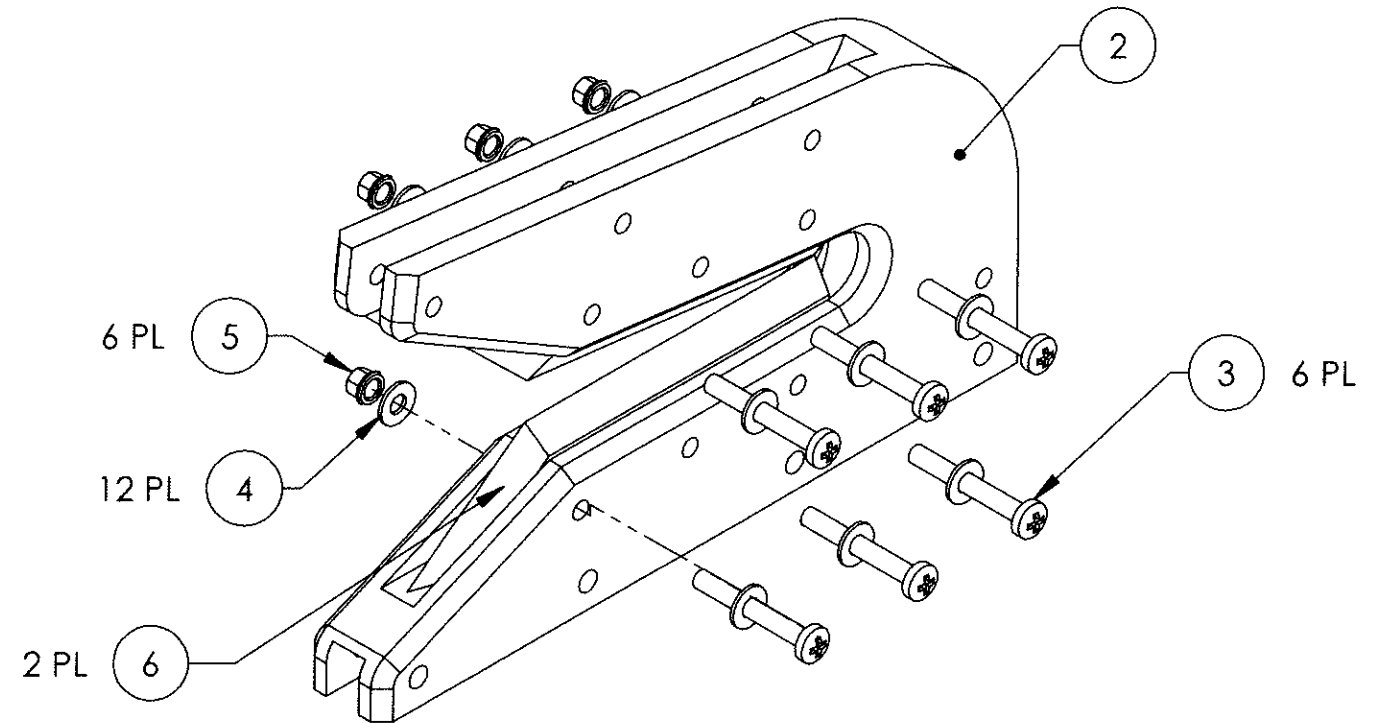
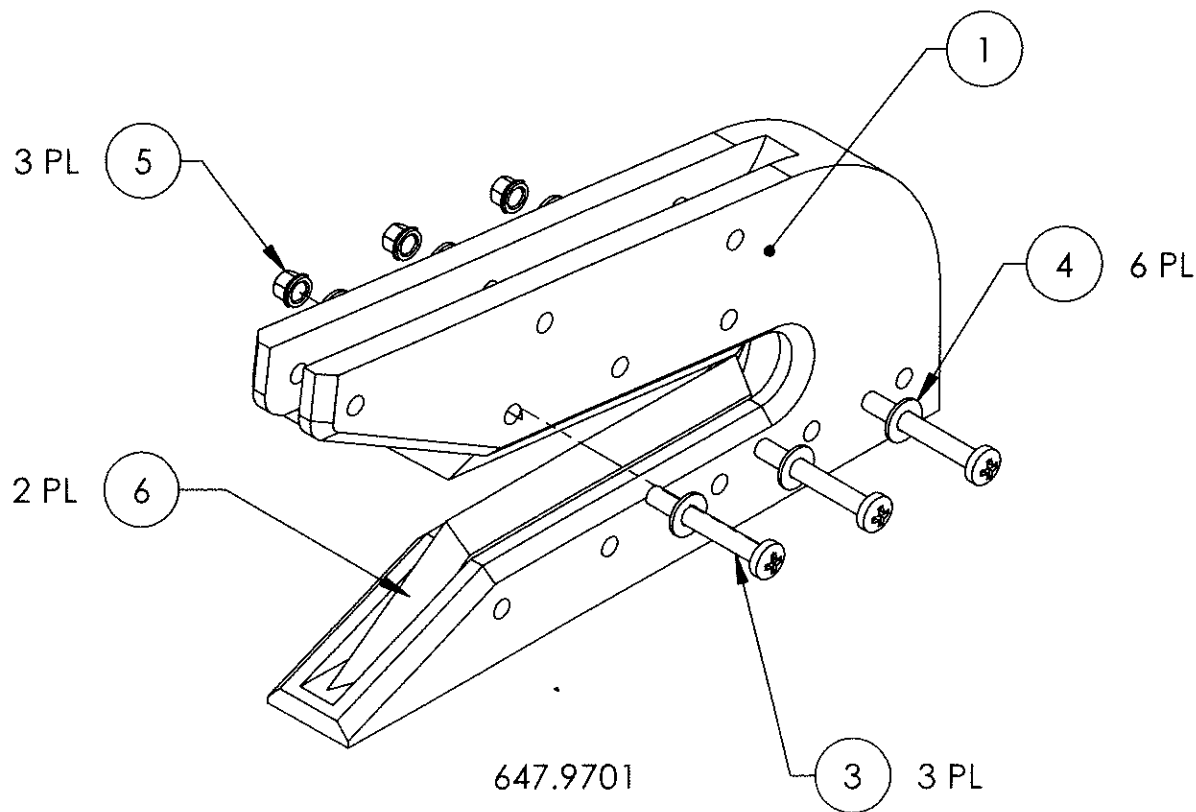
DER REVIEW REQUIRED

☐ YES ☒ NO

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NOTES:







- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;  
PRETREAT PRC-DESOTO PR-148 ADHESION PROMOTER;  
PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX.
4. DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED.
5. IDENTIFY IAW MPP-120.
- 6 APPLY F/N 7 AS REQUIRED TO ALL FAYING SURFACES OF F/N 6 UPON ASSEMBLY.
- 7 CUTTING EDGE INTENDED TO BE SHARP, DO NOT BREAK SHARP EDGE.
- 8 DIMENSION SHOWN IS FOR INSPECTION AFTER FINISH.



647.9702

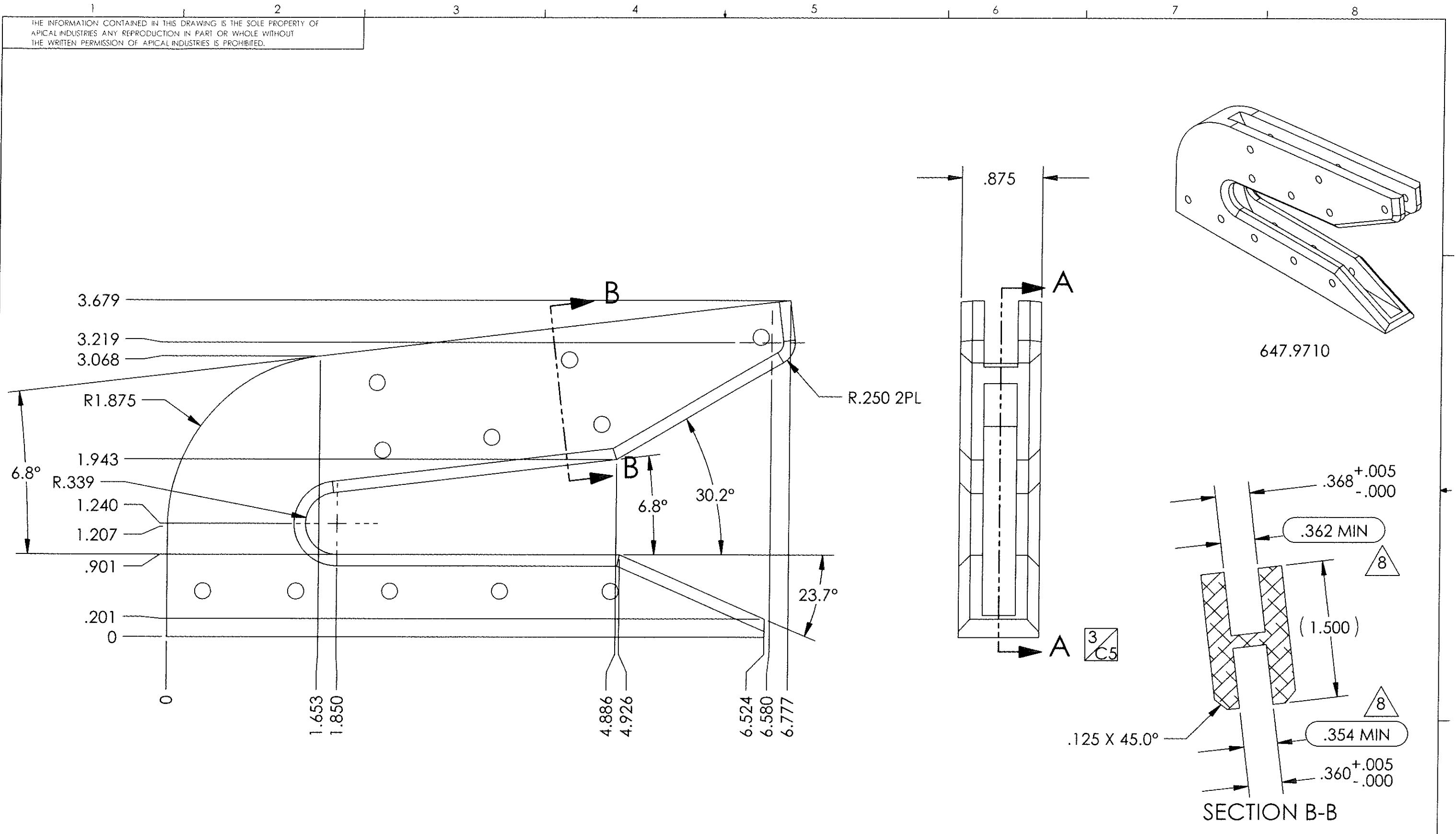
UNINCORPORATED ECN(S)

03432, 04646,

A/R	A/R	7	601.2764	RTV	LOCTITE 598	
2	2	6	646.9711	BLADE		
6	3	5	601.1541	LOCKNUT	MS21042L08	
12	6	4	601.2764	WASHER	NAS1149FN832P	
6	3	3	601.2765	SCREW	MS27039-0819	
1		2	647.9711	UPPER BODY		
	1	1	647.9710	LOWER BODY		
			647.9702	UPPER CUTTER ASSY		
			647.9701	LOWER CUTTER ASSY		
.9702	.9701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY			PARTS LIST			
NEXT ASSY (S)  647.9200  						

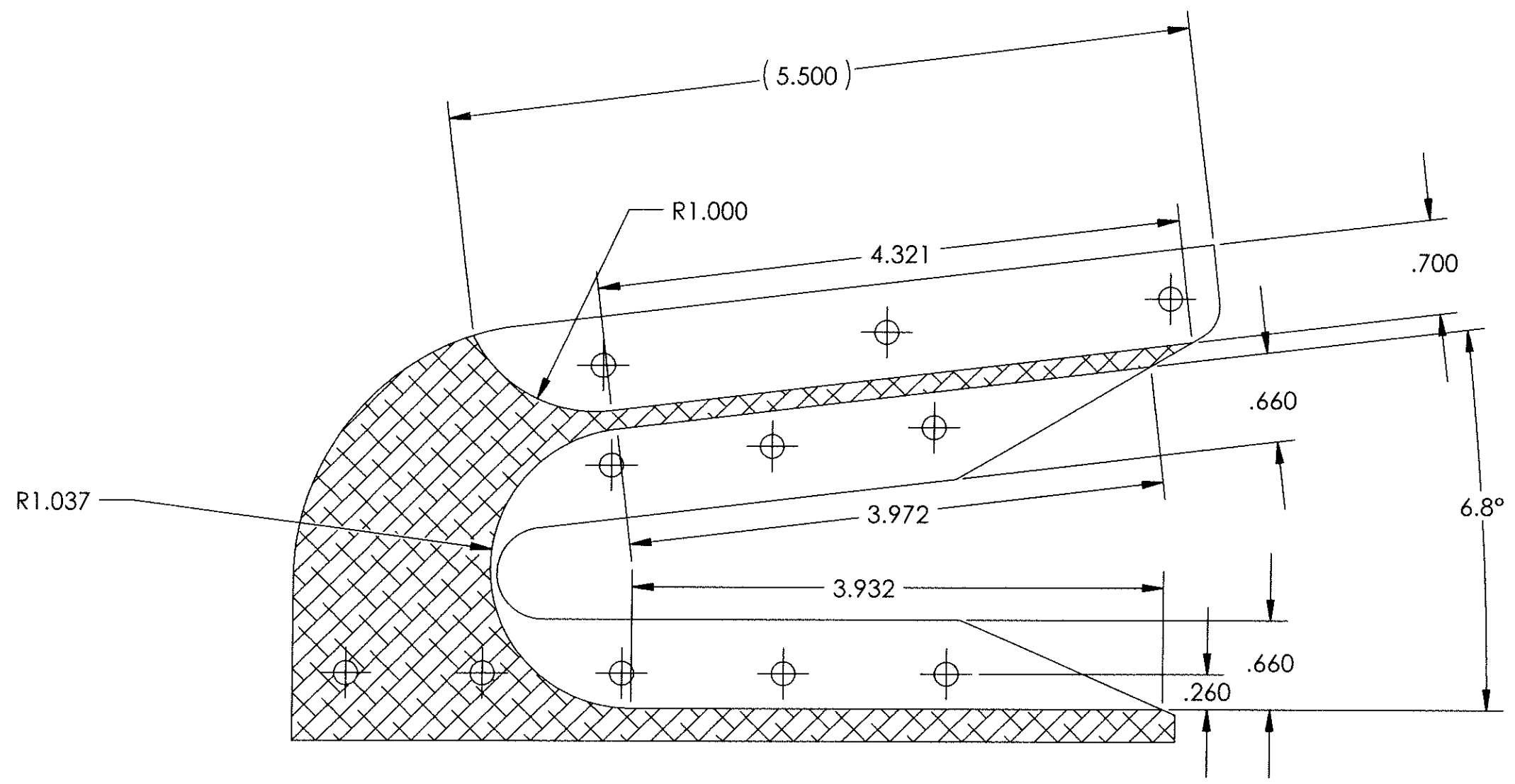
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A  
B  
C  
D



ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES	
DRAWN BY A. QUAN	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 04-26-10		CUTTER SUB ASSYS	
CONTRACT No.		SIZE B	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		CAGE CODE 07M26	DWG. NO. 647.9700
		SCALE NONE	SHEET 2 OF 7

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SECTION A-A 2  
B6

ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY A. QUAN	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-26-10		CUTTER SUB ASSYS	
CONTRACT No.		SIZE B	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 647.9700
		SCALE NONE	SHEET 3 OF 7

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A  
B  
C  
D

3.279

3.030

2.780

2.327

2.185

2.042

$\phi .177^{+.005}_{-.000}$  11PL

.501

0

0

.390

1.410

2.272

2.339  
2.430

3.531  
3.630

4.367

4.722  
4.830

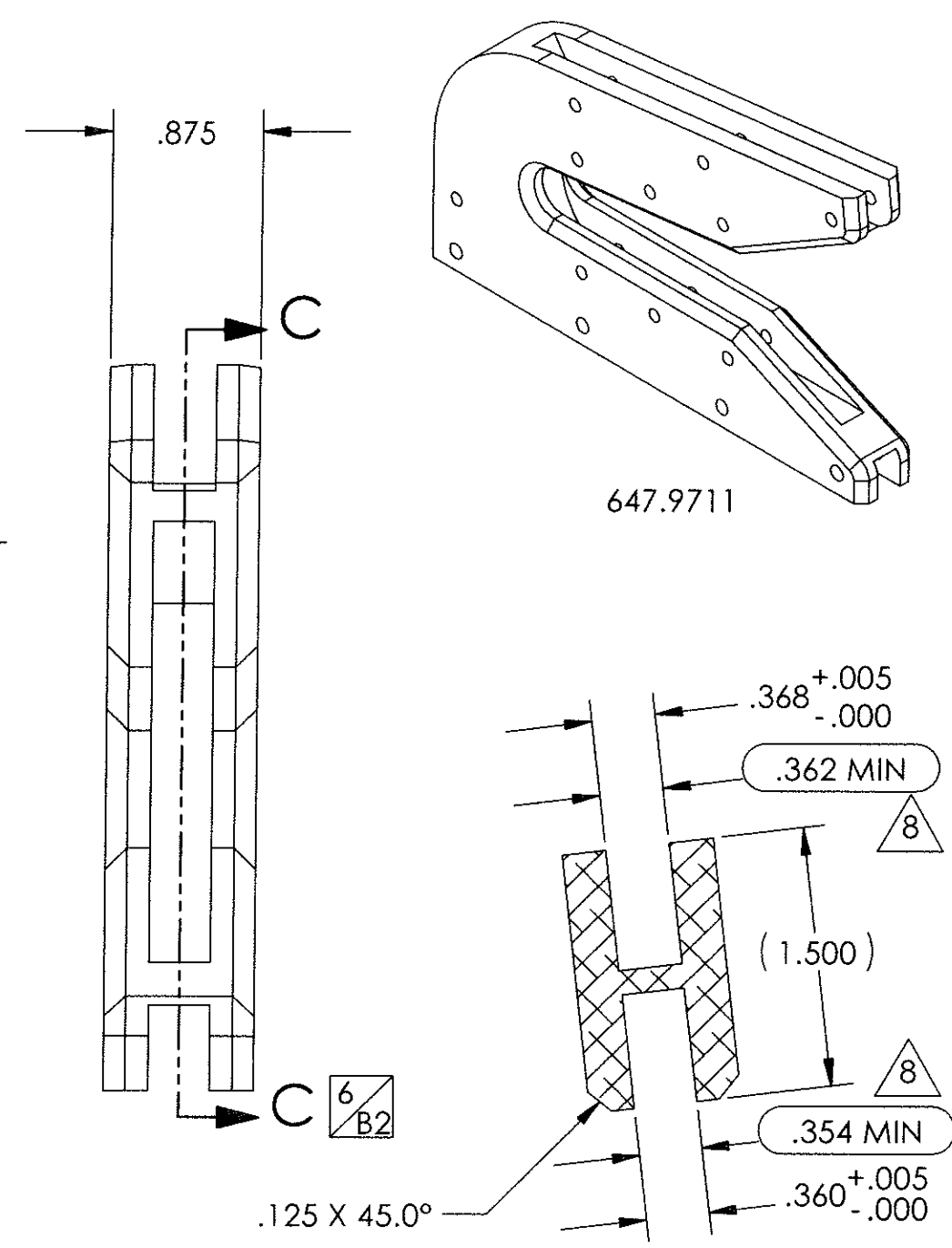
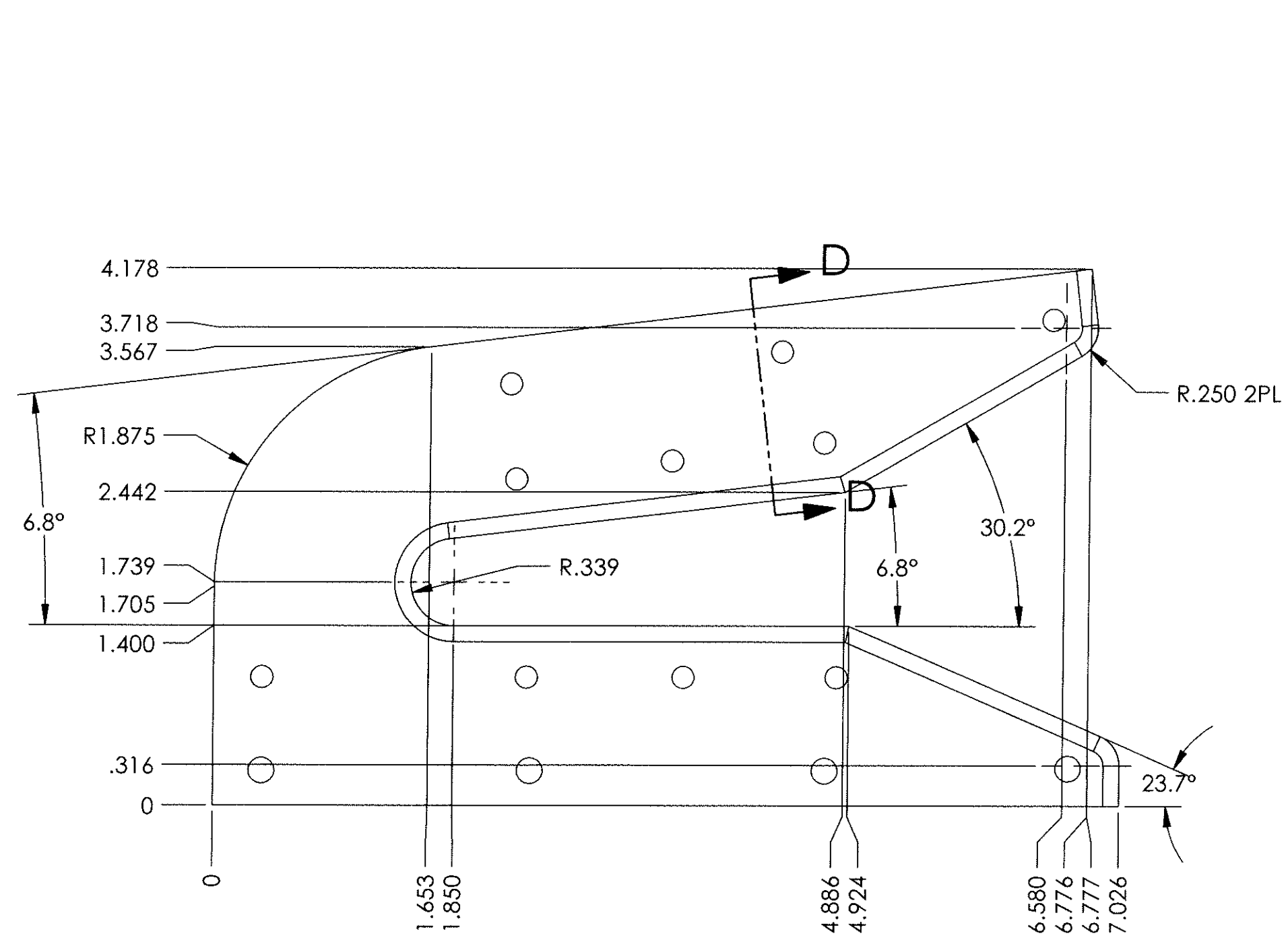
6.462

HOLE LOCATIONS +/- .002

ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY A. QUAN	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-26-10		CUTTER SUB ASSYS	
CONTRACT NO.		SIZE B	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 647.9700
		SCALE NONE	SHEET 4 OF 7

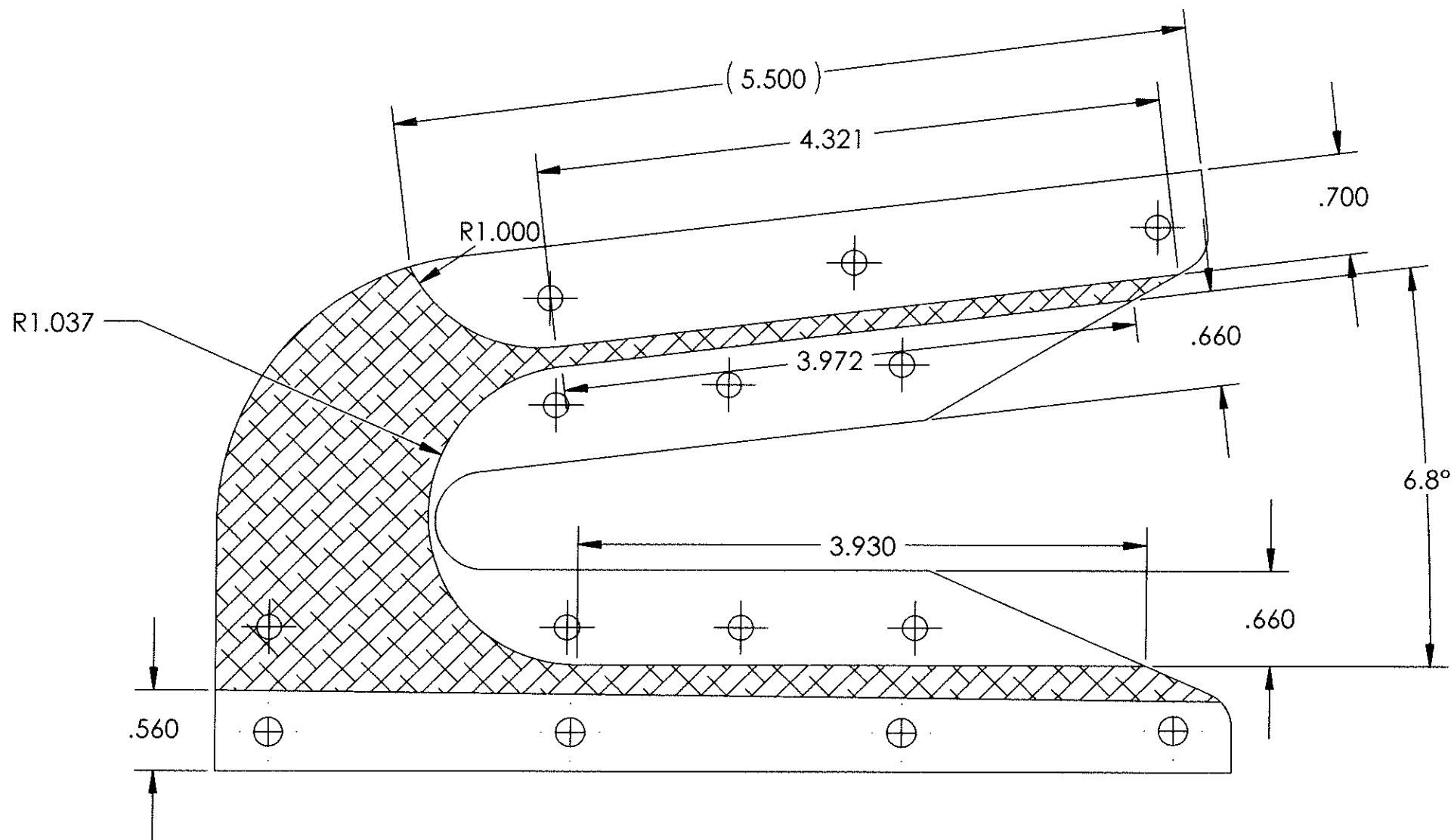
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A  
B  
C  
D



ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES	
DRAWN BY A. QUAN	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 04-26-10		CUTTER SUB ASSYS	
CONTRACT No.		SIZE B	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 647.9700
		SCALE NONE	SHEET 5 OF 7

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SECTION C-C 5/B6

ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY A. QUAN	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-26-10		CUTTER SUB ASSYS	
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		SIZE B	REV. A
		CAGE CODE 07M26	DWG. NO. 647.9700
		SCALE NONE	SHEET 6 OF 7



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

A

B

C

D

3.780

3.531

3.281

2.825

2.683

2.541

1.000

$\phi .201$  4PL

.272

0

0

.375

2.292

2.339

2.430

2.459

3.531

3.630

4.387

4.722

4.745

4.830

6.482

6.625

$\phi .173^{+.005}_{-.000}$  11PL

HOLE LOCATIONS +/- .002

ORIGINAL DATE  
MO-DA-YR 04-26-10  
DRAWN BY  
A. GUAN  
CHECKER  
P. BRAVO  
DRAWING APPROVAL  
P. BRAVO  
04-28-10  
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS  $\pm .03$   
3 PLACE DECIMALS  $\pm .010$   
ANGLES  $\pm .5^\circ$

APICAL INDUSTRIES  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300

CUTTER SUB ASSYS

SIZE	CAGE CODE	DWG. NO.	REV.
B	07M26	647.9700	A
SCALE NONE			SHEET 7 OF 7